

RUSSIAN FEDERATION

Moscow, Federal State Educational Institution of Higher Education
National Research Nuclear University "MEPhI"

DIPLOMA

БСГ 4747273

Name of Student	Petr Stepanov		
Date and place of birth	20 Oct 1986, Moscow, Russian Federation		
Matriculation date	1 Sept 2004	Graduation date	28 Feb 2011

Name of University	National Research Nuclear University "MEPhI"		
Faculty/Department	Theoretical Physics / Physics of Matter in Extreme States		
tel.: +74952341795	fax: +74952341795	website	http://eng.mephi.ru/

Official Length of Study	5 years 6 months	
Specialization	Condensed Matter Physics	
Course Assignment	Modeling processes in condensed media	passed
Practical Studies	20 weeks	3 (fair)
Final State Examination	Qualification Examination	3 (fair)
Scientific Research Work	"Investigation of radiation defects in irradiated reactor vessel steels by means of Positron Annihilation Spectroscopy", 15 weeks	4 (good)

Transcript of Records



The student has completed the following examinations at the National Research Nuclear University "MEPhI":

Title of the course	Total hours	Final Mark
Philosophy	111	5 (excellent)
Foreign Language — English (part1)	70	passed
Foreign Language — English (part2)	66	passed
Foreign Language — English (part3)	105	passed
Foreign Language — English (part4)	99	5 (excellent)
History of Russia	111	passed
Economics	111	passed
Physical Training	422	passed
Sociology	111	passed
Culturology	68	passed
Physics: mechanics	166	5 (excellent)
Physics: molecular physics and statistical thermodynamics	158	3 (fair)
Physics: electricity and magnetism	166	4 (good)
Physics: waves and optics	102	4 (good)
Physics: atomic physics	108	3 (fair)
Mathematics: mathematical analysis (differential calculus)	185	3 (fair)
Mathematics: mathematical analysis (integral calculus)	175	3 (fair)
Mathematics: analytical geometry	99	5 (excellent)
Mathematics: linear algebra	93	3 (fair)
Mathematics: vector and tensor analysis	151	3 (fair)
Mathematics: theory of complex variable functions	89	3 (fair)
Mathematics: elementary differential equations	108	4 (good)
Mathematics: integral equations	102	3 (fair)
Mathematics: probability theory and mathematical statistics	98	passed
Selected Topics in Functional Analysis	116	passed
Equations of mathematical physics (part1)	86	3 (fair)

Transcript of Records



Equations of mathematical physics (part2)	82	3 (fair)
Computer science (part1)	98	4 (good)
Computer science (part2)	92	5 (excellent)
Chemistry: chemical workshop (electrochemistry)	74	3 (fair)
Chemistry	76	passed
Ecology	70	passed
Descriptive Geometry. Engineering Graphics	124	passed
Mechanics: theoretical mechanics	102	3 (fair)
Mechanics: strength of materials	72	passed
Mechanics: machine parts and design principles	68	passed
Materials. Technology of construction materials	70	passed
Theoretical physics: statistical physics	102	4 (good)
Theoretical physics: quantum mechanics	116	3 (fair)
Theoretical physics: quantum mechanics	110	3 (fair)
Electrodynamics of continua	86	4 (good)
Theoretical Physics of Solid State	75	4 (good)
Theoretical Physics of Solid State (Physics of Condensed Matter)	79	5 (excellent)
Electrical and electronics: Theory of Electrical Engineering	90	passed
Electrical engineering and electronics. General electrics and electronics	139	4 (good)
Metrology, standardization and certification	100	passed
Life safety	146	passed
Management and Marketing	108	passed
Computer workshop	151	passed
Experimental Nuclear Physics	70	passed
Plasma physics	70	passed
Scientific-research work	280	passed
Numerical Methods	54	passed
Field theory	108	3 (fair)
Economics of industry	54	passed
Foreign Language	52	passed

Transcript of Records



Experimental methods in solid state physics (part1)	102	4 (good)
Experimental methods in solid state physics (part2)	54	4 (good)
Experimental methods in solid state physics (part3)	84	4 (good)
Physics of Condensed Matter	85	4 (good)
Experimental physics of interaction of charged particles with matter	60	passed
Simulation in Condensed Matter Physics	140	passed
Workshop for Scanning Probe Microscopy	68	passed
Ultramicroscopy of solid-state structures	51	4 (good)
Materials of nuclear reactors	51	4 (good)
Wavelets in processing of experimental data	48	passed
Phase transitions in condensed matter	51	4 (good)
Physics of thermonuclear fusion	54	3 (fair)
Special seminar in English	54	passed
Radiation chemistry of condensed state	54	passed
Nuclear-physical methods for studies of condensed matter (part1)	51	passed
Nuclear-physical methods for studies of condensed matter (part2)	54	4 (good)
Physics of semiconductors	81	passed
Physics of nanostructures	81	passed
Crystal defects	52	passed
Physics of Mesoscopic Systems	60	4 (good)
Modern Problems of Condensed Matter Physics	36	4 (good)
Modern Problems of Fusion Physics	36	4 (good)
Physical training: sports perfection	270	passed
Workshop for Physical Mechanics	92	passed
Physics Workshop for molecular physics and statistical thermodynamics	86	passed
Physics Workshop for Electricity and Magnetism	92	passed
Physics Workshop for waves and optics	131	passed
Physics Workshop for Atomic Physics	139	passed

Transcript of Records

МИАН

Modern physics problems	96	passed
Law	96	passed
Information Security	78	passed
Radiation Damage Theory of Materials	72	3 (fair)
Surface Physics	72	4 (good)

APPENDIX. Grading System

National Research Nuclear University “MEPhI” uses a five-point grading scale:

Grade	Translation	Description	Percent
5	Very good or Excellent	best possible grade	93% and above
4	Good	good	approximately 85%–92%
3	Satisfactory, sometimes translated into English as Fair	passing grade	77%–84%
2	Unsatisfactory	failing	<76%

Vice Rector



N.M. Dmitriev